

In the Claims

Please amend claims 4, 16, 23, 36, and 50 as indicated below:

L3
4. The sensor of claim 3, wherein the pressure port assembly further comprises:
a snap-on cap coupled to the conductive ring; and
a compressible sealer element disposed between the snap-on cap and the metallic diaphragm, whereby substantially symmetrical forces are applied to the metallic diaphragm to thereby seal the cavity.

L4
16. The sensor of claim 15, wherein the low-pass filter includes a series impedance element coupled to the input of the transducer, and a capacitor disposed between an output of the transducer and AC ground to thereby form a voltage divider.

L3
23. The sensor of claim 21, wherein the stimulus parameter is fluid pressure.

L4
36. The system of claim 32, further comprising a ground conductor layer disposed on a second surface of the circuit board parallel to the surface of the circuit board, whereby the ground conductor layer and the metallic diaphragm shield the two co-planar rings from AC-signals.

L5
50. The method of claim 49, wherein the step of determining further comprises the steps of:
obtaining an initial condition factory oscillation frequency value (f_0);
obtaining an initial condition ambient oscillation frequency value (f_1); and
dividing the initial condition factory oscillation frequency value by the initial condition ambient oscillation frequency value.

Remarks

In view of the above amendments and the following remarks, favorable reconsideration of the outstanding office action is respectfully requested. Claims 1 – 62 remain in this application. Claims 4, 16, 23, 36, and 50 have been amended.